

Cumulative contents Volume 31

Volume 31, No. 1, March 1993

Papers

J.C. Pesquet, O. Macchi and G. Tziritas Soft-constrained LMS algorithms for decoder stability in backward adaptive predictive systems	1
G. Gelli, L. Izzo, A. Napolitano and L. Paura Multipath-channel identification by an improved Prony algorithm based on spectral correlation measurements	17
D.-S. Han and H.-S. Lee Performance of modified order statistics CFAR detectors with noncoherent integration	31
C.-J. Kim, D.-S. Han and H.-S. Lee Generalized OS CFAR detector with noncoherent integration	43
H. Leung, T. Lo and J. Litva Angle-of-arrival estimation in multipath environment using chaos theory	57
A.C. Den Brinker Adaptive modified Laguerre filters	69

Short communications

V. Hari Krishna and D.C. Reddy Design of adaptive filters for a class of non-uniformly sampled signals	81
J. Tasič, D. Caf and M. Gušev Solving linear systems of equations	91
D. Wulich Hilbert transform of a constant envelope signal using the time-warping technique	97

Volume 31, No. 2, March 1993

Image processing

J. Shen and S. Castan Towards the unification of band-limited derivative operators for edge detection	103
S. Burgett and M. Das Predictive image coding using two-dimensional multiplicative autoregressive models	121
I. Ng, J. Kittler and J. Illingworth Supervised segmentation using a multiresolution data representation	133
T. Aach, A. Kaup and R. Mester Statistical model-based change detection in moving video	165

1-D signal processing

J. Neejärvi, A. Värri, S. Fotopoulos and Y. Neuvo Weighted FMH filters	181
U.C. Niranjana and I.S.N. Murthy ECG component delineation by Prony's method	191
K.-C. Tan and A.P.-C. Ng A comparison of two approaches for improving direction-of-arrival estimates in the presence of non-white noise	203
G. Yang, H. Leich and R. Boite Multiband code-excited linear prediction (MBCELP) for speech coding	215

Short communication

V. Srinivasan, P. Bhatia and S.H. Ong A fast implementation of the discrete 2-D Gabor transform	229
--	-----

Book reviews	235
Announcements and calls for papers	237

Volume 31, No. 3, April 1993

Papers

J.-P. Antoine, P. Garrette, R. Murenzi and B. Piette	
Image analysis with two-dimensional continuous wavelet transform	241
M.A. Poletti	
The development of instantaneous bandwidth via local signal expansion	273
C.C. Ko, G. Balabhaskar and R. Bachl	
Unbiased source estimation with an adaptive null steering algorithm	283
L.L. Scharf and L.T. McWhorter	
Geometry of the Cramer-Rao bound	301
F.-C. Zheng, S. McLaughlin and B. Mulgrew	
Blind equalisation of multilevel PAM data for nonminimum phase channels via second- and fourth-order cumulants	313
P. Stoica	
List of references on spectral line analysis	329
L.-W. Chang and M.-C. Wu	
A bit level systolic array for Walsh-Hadamard transforms	341

Short communication

A. Eriksson and P. Stoica	
On statistical analysis of Pisarenko tone frequency estimator	349
Announcements and calls for papers	355
Author index	359
Cumulative contents	361

